



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

CERTIFIED MAIL No.:

Activity No. PER19960011
Agency Interest No. 1250

Mr. Russ Willmon
General Manger
CITGO Petroleum Corporation
P. O. Box 1562
Lake Charles, LA 70602

RE: Operating permit, Site Services Area, Lake Charles Manufacturing Complex, CITGO Petroleum Corporation, Sulphur, Calcasieu Parish, Louisiana

Dear Mr. Willmon:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Public Notice

CCB/mv

cc: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
CITGO PETROLEUM CORPORATION / SITE SERVICES AREA
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on an initial Part 70 Air Operating Permit for CITGO Petroleum Corporation, P.O. Box 1562, Lake Charles, LA 70602 for the Site Services Area. **The facility is located at 4401 Hwy 108 S, Sulphur, Calcasieu Parish.**

CITGO Petroleum Corporation owns and operates a petroleum refinery in Sulphur, Louisiana. The facility processes both domestic and foreign crude oils into sulfuric acid, benzene, propane, ethane, sulfur, gasoline, distillate and residual oil, propylene, coke, lube oils and other miscellaneous products.

CITGO Petroleum Corporation requested an initial Part 70 Air Operating Permit to consolidate and replace existing air permits. The facility currently operates under several State permits. The modifications are described in the permit

Estimated emissions in tons per year are as follows:

Pollutant	Proposed*
PM ₁₀	170.12
SO ₂	3002.98
NO _x	222.84
CO	943.36
VOC	3201.30

*Grandfathered or not permitted.

The permit shields are described in the permit.

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 23, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The proposed permit, statement of basis and environmental impact questions (IT questions) are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours

are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the Calcasieu Parish Library - Sulphur Regional Branch located at 1160 Cypress Street, Sulphur LA 70663.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Marta Vasquez, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3128.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1250, Permit Number 3010-V0, and Activity Number PER19960011.

Publication Date: Friday, February 17, 2006

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**SITE SERVICES AREA; AI No. 1250; PER19960011
CITGO PETROLEUM CORPORATION – LAKE CHARLES MANUFACTURING COMPLEX
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA**

I. Background

CITGO owns and operates a petroleum refinery in Sulphur, Louisiana. LCMC processes both domestic and foreign crude oils into gasoline, diesel fuel, turbine fuel, kerosene, propylene, coke, lube oils, wax, benzene, propane, ethane, sulfur, sulfuric acid, and other miscellaneous products. CITGO is classified under SIC Code 2911 for petroleum refineries, 2819 for elemental sulfur production (a by-product of the refining process), and 2869 for industrial organic chemicals production. To refine the crude, LCMC utilizes crude topping and crude vacuum units, petroleum coking units, fluid catalytic cracking units, an alkylation unit, an isomerization unit, a hydrocracking unit, a sulfolane unit, a mixed xylenes extraction unit, amine treatment units, catalytic reformers, hydrodesulfurization units, sulfur recovery units, tail gas units, a sulfuric acid plant, lube oil and wax extraction/separation units, and associated infrastructure including plant utilities. This is the Part 70 Initial Title V Operating Permit for the facility.

II. Origin

An initial Part 70 and reconciliation permit application and Emission Inventory Questionnaire (EIQ) dated October 2, 1996 and additional information dated October 14, 2005, November 30, 2005 and December 13, 2005 were received requesting an initial Part 70 operating permit.

III. Description

LCMC is divided into seven main operating “Areas”, which are further subdivided into units. The table below shows the major area categories and the relationship between the areas. The rest of this section presents a more detailed description for each unit.

Title V Area	Description
Site Services 3010-V0	Newly created Title V Area including cooling towers, flares and other miscellaneous sources.
CLAW Area 3009-V0	Formerly titled CIT-CON, includes oil and wax extraction/separation units, storage tanks, flare, a wastewater treating unit, and other miscellaneous sources.
Thermal 2930-V0	Includes the crude, vacuum, and naphtha topping units, powerhouse boilers, Coker I Unit, and other miscellaneous sources.
Reformer 2920-V0	Includes furnaces, Coker II Unit, CCR Vent and other miscellaneous sources.
AAT 2935-V0	Includes Sulfur Recovery Units, Tail Gas Units, Acid Plant, Thermal Oxidizer, sour water stripping units, amine units, the product treating plant, and other miscellaneous sources.

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Title V Area	Description
CAT 2908-V0	Includes FCCU Regenerator Vents, C-4 Recovery Unit, and other miscellaneous sources.
Logistics 2796-V3	Includes storage tanks, wastewater emissions, marine loading and Waste Water Treatment Plant (WWTP) flares, and other miscellaneous sources.

The Site Services area at the CITGO refinery includes the following process units:

- Flares
- Cooling Towers
- Miscellaneous Cleaning Area
- Refinery Laboratory
- Secondary Emissions
- Coating Emissions

The description of the various sources units follows.

Flares

The refinery uses the flare system for emergency control and for controlling process vents throughout the refinery. The flares and their permit status are listed in the following table.

Flare	Description	Permit Status
3(IV)1	B-1 Flare (Alkylation flare)	Grandfathered
3(IV-F)3	B-4 Flare (Girbotol flare)	Grandfathered
3(IX)41	B-5 Flare (South central flare)	2714-V1
3(IX)42	B-6 Flare (Central flare)	Grandfathered
3(IX)33	B-7 Flare (North central flare)	Grandfathered
3(VI)6	B-8 Flare (Gas Recovery flare)	Grandfathered
3(IV)2	B-9 Flare (Reformer flare)	Grandfathered
3(XXII)4	B-11 Flare (C Reformer flare)	2797-V0
3(XXIII)2	B-12 Flare (Unicracker flare)	2797-V0
3(XXIX)3	B-16 Flare (Cat Feed Hydrotreater flare)	2308(M-1)
3(XXXIV)10	B-104 Flare (Tier 2/CV-1 flare)	2810-V1
2(220)25	CB-701 (PFU flare stack)	Grandfathered

Cooling Towers

Operating units require large amounts of cooling water for proper operations. Without cooling water, an operating unit cannot stay on line and operate in a safe and efficient manner. Environmental impact and economic cost is also reduced by re-circulating treated water.

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The purpose of any cooling tower is to take the hot water from the unit and cool it as much as possible so that the water can be reused. What happens is that part of the water evaporates and in doing so removes heat and therefore lowers the temperature of the remaining water.

Chemicals, such as defoaming agents, biocides, dispersants, corrosion inhibitors, penetrant/surfactants, and chlorine compounds, are added to the water system to maintain effectiveness of the cooling towers.

Makeup water for the cooling towers is obtained from the Sabine River water system. The purpose of the makeup water is to replace water lost through evaporation and drift, blow down losses, leak losses, and backwash losses. The refinery-wide system is operated by the powerhouse.

Should water from the Sabine system be interrupted, makeup water for the cooling towers can still be obtained from a number of water wells located within the refinery. The water from the wells is to be considered only when no water is forthcoming from the Sabine system for extended periods.

Another source of makeup water is from the plant firewater system. Fire water should be used as a last resort to maintain a level in the tower basin.

Cooling tower blow down is necessary as the circulating water contains contaminants such as iron, calcium, silica, suspended solids, phosphates, etc., in addition to the chemicals added for water treatment. These contaminants, and the treatment chemicals, are concentrated as water evaporates. Excessive concentration can upset the chemical balance of the water and cause plugging/fouling of unit equipment which will reduce the heat transfer. This chemical unbalance could result in equipment downtime and costly cleaning and repair work. Blow down is closely regulated by testing for cycles of concentration to maintain a good chemical balance, economize chemical usage, and reduce equipment fouling.

Blow down of the cooling towers is routed to Emission Source, 3(MISC)CT5&6, Cooling Tower 5 & 6.

A table of the cooling towers along with their permit status follows.

Cooling Tower	Description	Permit Status
3(MISC)CT5&6	Cooling Tower 5 & 6 (Thermal)	Grandfathered
3(MISC)CT1&2	Cooling Tower 1 & 2 (C4)	Grandfathered

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Cooling Tower	Description	Permit Status
3(MISC)CT3	Cooling Tower 3 (Alkylation)	Grandfathered
3(MISC)CT4	Cooling Tower 4 (A Reformer)	Grandfathered
3(MISC)CT502	Cooling Tower 502 (PFU)	Grandfathered
3(MISC)CT11	Cooling Tower 11 (Unicracker)	Grandfathered
3(XXXIII)3	Cooling Tower 8 (Tier 2/CV-1)	2797-V0
3(MISC)CT7	Cooling Tower 7 (Acid Plant)	Grandfathered
3(MISC)CT12	Cooling Tower 12 (TG2)	Grandfathered
3(MISC)3XCT	Cooling Tower 10 (C Reformer/Mixed Xylenes)	2715-V1

Miscellaneous Cleaning Area

LCMC has designated cleaning area that is used for a number of turnaround and maintenance activities for the entire refinery. Some of the activities include but are not limited to hydroblasting of equipment or containers before releasing equipment or containers for shipment, cleaning of containers before crushing, dewatering, parts cleaning and fractionation tank activities.

Refinery Laboratory

The CITGO Refinery Laboratory operates 24 hr/day, seven (7) day/wk, to provide analytical services to Operations, Product Supply, Engineering and Management. The Refinery Laboratory also performs some research and development work.

The Refinery Laboratory performs routine and non-routine sample analysis as well as analyzes and certifies all products leaving the refinery.

The Refinery Laboratory monitors all refinery effluent streams and emissions as required by the Environmental Protection Agency (EPA) and LDEQ.

To conduct the daily activities of the Refinery Laboratory the following equipment is used for analysis.

- Knock engines for testing octane
- Inductively Coupled Plasma Analyzer for metal analysis
- Gas and Liquid Chromatographs
- Mass Spectrometers
- Wet Chemistry equipment

Miscellaneous Power Sources

Some units require generators to operate equipment such as, but not limited to, compressors, portable chillers, air blowers, air conditioners, and pumps to operate the units.

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These gasoline or diesel driven generators are require when equipment failure occurs or when there is a loss of power. When operated, these generators generate emissions. The Miscellaneous Power Source is to allow operation of these generators throughout the refinery as needed.

Secondary Emissions

The purpose of the refinery sewer system is for the sufficient removal of run-off water and proper handling of process water.

The plant has two (2) primary sewers – the oily water sewer (controlled for benzene emissions) and the Panama Canal (uncontrolled). The two sewers are collected into two (2) lift stations. All dry weather flow (process wastewater) is combined and transferred into the wastewater primary treatment section which includes API separators, DGF units, flocculation box and an evaporative cooler.

Each unit has oily water sewer drains. These sewer drains are located at pump rooms, tower basins, and exchanger alleys. The oily water sewers from the process areas are collected and pumped to the sewer boxes located every few hundred yards. These sewer boxes have water seals, which are in place to prevent liquid and vapor hydrocarbon backflow. These sewer streams all flow into the API separator inlet. The wastewater treatment plant, located at the main refinery, treats process wastewaters generated as a result of petroleum refining activities and storm water that falls within the process unit boundaries (except for Mixed Xylenes, Tier 2 units, Cat Feed Hydrotreater and CVEP).

All storm water collected at the two (2) lift stations is sent directly to two (2) storm water tanks. The storm water in these tanks may be sent through primary treatment or directly to aeration.

Uncontaminated storm water runoff from the West Tank Farm and the Mixed Xylenes unit is discharged directly into the Indian Marais and the the Calcasieu River.

Uncontaminated storm water runoff from the CFHT, Tier 2 Units, CVEP, EOC building, and Main Employee parking lot is discharged directly into the Calcasieu River.

Uncontaminated storm water runoff from the South Tank Farm is discharged directly into the Calcasieu River.

Miscellaneous Coating Emissions

LCMC coats surfaces of piping, equipment, concrete, etc., to protect them from the elements of nature. The type of coating used can be paints, epoxy, or other type of coating material.

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Permit Changes

There are no physical changes in this Initial Title V Permit. This permit changes the following:

1. Consolidate and replace existing air emission permits.
2. Identify and reconcile all existing air emission sources.
3. Incorporate requirements of the NSR Consent Decree to which CITGO LCMC became subject on January 27, 2005.
4. Obtain an air emissions cap for flares and cooling towers.

This permit will replace State Permit 2308(M-2) as the emission point 3(XXXIX)3, B-16 Cat Feed Hydrotreater flare is included in this permit.

In addition emission point 3(IX)41, B-5 South Central flare will be removed from Permit 2714-V1; emission point 3(XXXIV)10, B-104 Tier 2/CV-1 Flare will be removed from Permit 2810-V1; emission point 3(MISC)3XCT, Cooling Tower will be removed from Permit 2715-V1 and emission point 3(XXXIII)3, CT10 – C-Reformer/MX will be removed from Permit 2714-V1 as the preceding emission points are included in this permit.

Alternate Operating Scenario

Historically before CITGO sold the property to Equistar and Westlake Polymers these facilities were operated and owned by CITGO, The flares located on this property have the ability to spare each other during turnaround or maintenance on the flares. Therefore, Equistar and Westlake Polymers operate flares that can be spared by the PFU flare. Emission Point 2(202)25, CB701 PFU flare include the emissions from these flares during maintenance and turnaround times.

If during the use of CB-701 – PFU Flare Stack as a spare flare an incident or release occurs due to operations at Westlake Polymer or Equistar, all reporting responsibility will be with the company that caused the release or incident.

The following table lists the emission points.

<u>Emission Point</u>	<u>Description</u>	<u>Owner/Operator</u>
2(202)25	CB-701	CITGO
008	Emergency Flare	Equistar
88	Flare	Westlake

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Estimated emissions in tons per year are as follows:

Pollutant	Proposed*
PM ₁₀	170.12
SO ₂	3002.98
NO _x	222.84
CO	943.36
VOC	3201.30

* Grandfathered or not permitted.

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Proposed</u>
1,3-Butadiene	0.31
2,2,4-Trimethylpentane	2.58
Benzene	38.63
Carbon tetrachloride	0.12
Cumene	2.64
Ethylbenzene	21.62
Methanol	24.85
Methyl ethyl ketone	5.16
n-Hexane	34.77
Naphthalenes	7.80
Phenol	0.002
Polynuclear Aromatic Hydrocarbons	0.63
Toluene	119.20
Xylenes (mixed isomers)	97.36
Total	355.67

<u>Non VOC TAPs</u>	<u>TPY</u>
Ammonia	0.004
Chloride Compounds	4.72
Hydrogen Sulfide	7.90
Total Non-VOC TAPs	12.62

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and NESHAP. Non-attainment New Source Review (NNSR) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in the *Advocate*, Baton Rouge, Louisiana, on XXX XX, 2006 and *The Southwest Daily News*, Lake Charles, Louisiana, on XXX XX, 2006. The public notice was sent to persons included in the Office of Environmental Services Public Notice Mailing List on XXX XX, 2006. The proposed permit was also submitted to US EPA Region VI.

VII. Permit Shields

Shield 1

If the permittee submits a timely and complete application for renewal, the existing permit will be considered as administratively continued per La. R.S. 30:2023.C. and La. R.S. 49:961.B. In such case, the terms and conditions of this permit shall remain in force until a final permit decision for permit renewal or denial. This protection shall cease to apply if, subsequent to the completeness determination required pursuant to LAC 33:III.519.A, and as required by LAC 33:III.519.B, the applicant fails to submit by the

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deadline specified in writing by the permitting authority any additional information identified as being needed to process the application.

Fugitive Emission Monitoring (Streamlining)

Shield 2

LCMC requests a permit shield that states compliance with the requirements of the monitoring program identified in the most recently approved version of the “Louisiana Fugitive Emission Program Consolidation – Source Notice and Agreement – CITGO Petroleum Corporation – Lake Charles Manufacturing Complex – Calcasieu Parish Louisiana” constitutes full compliance with all applicable regulatory leak detection and repair program for the sources covered by this Part 70 permit. The applicable regulatory LDAR program for the sources covered in this Part 70 permit application

LAC 33:III.905 Shield (Streamlining)

Shield 3

Where a specific regulatory work practice or operational standard applies to an affected facility, compliance with the applicable regulatory work practice or operational standard demonstrates compliance with LAC 33:III.905.

Semi-Annual Reporting

Shield 4

Semi-annual reporting periods required by 40 CFR Part 63 Subpart CC (RMACT) will be satisfied by the submission of semi-annual reports on a calendar basis (January 1 through June 30 and July 1 through December 31) for consistency with the Title V reporting schedule.

Process Drain Shield (Streamlining)

Shield 5

Process drains subject to LAC 33:III.2122 and either 40 CFR 60 Subpart QQQ, 40 CFR Part 61 Subpart FF or 40 CFR Part 63 Subpart CC shall demonstrate compliance with LAC 33:III.2122 by meeting the applicable control, inspection and repair requirements of 40 CFR 60 Subpart QQQ, 40 CFR Part 61 Subpart FF or 40 CFR Part 63 Subpart CC.

NSPS QQQ and NESHAP FF Reporting Shield (Streamlining)

Shield 6

The reporting requirements for the Semi-annual Report required by 40 CFR Part 60 Subpart QQQ (§§ 60.698(b)(1)(c), and (d), the Quarterly Report required by 40 CFR Part 61 Subpart FF (§§ 61.357(d)(6), (d)(7), and the Annual Report of Required Inspections (§ 61.357(d)(8)) are satisfied by a consolidated report that includes all required reporting

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provisions that is submitted on a semi-annual basis. In addition CITGO reserves the option to submit the consolidated report on a quarterly basis as an alternative to the semi-annual basis.

VIII. Streamlined Requirements

None.

IX. Effects on Ambient Air

Type of Dispersion Modeling Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu\text{g}/\text{m}^3$)	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS}) ($\mu\text{g}/\text{m}^3$)
NO _x	Annual	84.22	(100)
SO ₂	3-hour	920.04	(1300)
	24-hour	258.31	(365)
	Annual	47.21	(80)

X. General Condition XVII

Unit	Lake Charles Manufacturing Complex	VOC (tpy)	Cl ₂ (lb/hr)
GCXVII No. 1	Carbon canister changeouts	0.20	-
GCXVII No. 2	Changing filters/pump screens	0.05	-
GCXVII No. 3	Cleaning equipment	0.27	-
GCXVII No. 4	Clearing of pipelines	0.99	-
GCXVII No. 5	Draining compressor bottles	0.04	-
GCXVII No. 6	Instrument maintenance	0.50	-
GCXVII No. 7	Sampling	2.40	-
GCXVII No. 8	Solids removal from sumps	0.40	-
GCXVII No. 9	Valve Maintenance	0.53	-
GCXVII No. 10	Exchanger Maintenance (back-washing)	4.00	-
GCXVII No. 11	Draining liquid from Bleeders	0.60	-
GCXVII No. 12	Venting Condensate	2.64	-
GCXVII No. 13	Metering Station Sampling	0.01	-
GCXVII No. 14	Metering Station Maintenance	1.57	-
GCXVII No. 15	Meter Prover	3.98	-
GCXVII No. 16	Chlorine Handling	-	0.125

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XI. Insignificant Activities	Citation
Air vents from air compressors.	LAC 33:III.501.B.5.B24
Buildings, cabinets, and facilities used for storage of chemicals in closed containers.	LAC 33:III.501.B.5.B12
Catalyst charging operations with annual emissions < 5 tons.	LAC 33:III.501.B.5.A11
Emergency use generators, boilers, or other fuel firing equipment.	LAC 33:III.501.B.5.B32
Emissions from oil mist generator and pump lubricating system.	LAC 33:III.501.B.5.B16
Emissions from process stream or process vent analyzers with annual emissions < 5 tons.	LAC 33:III.501.B.5.A9
Exhaust emissions or vehicle re-fueling emissions.	LAC 33:III.501.B.5.B4
Instrument air systems, excluding fuel-fired compressors	LAC 33:III.501.B.5.B22
Maintenance of grounds or buildings.	LAC 33:III.501.B.5.B1
Miscellaneous additions or upgrades of instrumentation or control system.	LAC 33:III.501.B.5.B9
Miscellaneous equipment maintenance or construction.	LAC 33:III.501.B.5.B3
Miscellaneous equipment maintenance or construction, which may include, but is not limited to, such activities as: welding, steam cleaning, equipment used for hydraulic or hydrostatic testing, miscellaneous solvent use, miscellaneous sandblasting, sweeping, nonasbestos insulation removal, acid washing, caustic washing, water blasting, application of refractory and insulation, brazing, soldering, the use of adhesives, grinding, and cutting.	LAC 33:III.501.B.5.B3
Non-TAP emissions from storage or use of water treating chemicals (including cooling towers, drinking water systems, and boilerwater/feed water systems).	LAC 33:III.501.B.5.B8
Office activities such as photocopying, blueprint copying, and photographic processes.	LAC 33:III.501.B.5.B5
Periodic use of air for cleanup.	LAC 33:III.501.B.5.B25
Site assessment work to characterize waste disposal or remediation sites.	LAC 33:III.501.B.5.B6
Solid waste dumpsters.	LAC 33:III.501.B.5.B26
Stacks or vents to prevent escape of sanitary sewer gases through plumbing traps.	LAC 33:III.501.B.5.B15
Storage tanks < 10,000 gals storing organic liquids with TVP < 0.5 psia and annual emissions < 5 tons.	LAC 33:III.501.B.5.A3
This include amine sumps and chemical injection storage tote tanks and storage vessels.	

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**SITE SERVICES AREA; AI No. 1250; PER19960011
CITGO PETROLEUM CORPORATION – LAKE CHARLES MANUFACTURING COMPLEX
LAKE CHARLES, CALCASIEU PARISH, LOUISIANA**

XI. Insignificant Activities	Citation
Storage tanks < 250 gal storing organic liquids with TVP <= 3.5 psia and annual emissions < 5 tons.	LAC 33:III.501.B.5.A2
Storage tanks containing aqueous caustic solutions.	LAC 33:III.501.B.5.B40
Storage tanks containing spent; fresh soda ash solutions (volume < 10,000 gal, V.P. < 0.5 psia.	LAC 33:III.501.B.5.A3
Surface-coating of equipment using paint with < 3.5 lb/gal of organic TAP.	LAC 33:III.501.B.5.B2
Temporary portable diesel fuel storage tanks used in maintenance and construction activities.	LAC 33:III.501.B.5.B44
Use of products for the purpose of maintaining facility motor vehicles, not including A/C units.	LAC 33:III.501.B.5.B13
External combustion equipment with a design rate greater than or equal to 1 million Btu/hr, but less than or equal to 10 million Btu/hr, with annual emissions < 5 tons.	LAC 33:III.501.B.5.A1
Emissions of any inorganic air pollutant that is not a regulated air pollutant as defined under LAC 33:III.502, with annual emissions < 5 tons.	LAC 33:III.501.B.5.A4
External combustion equipment with a design rate less than 1 million Btu per hour.	LAC 33:III.501.B.5.A5
Laboratory equipment/vents used exclusively for routine chemical or physical analysis for quality control or environmental monitoring purposes with annual emissions < 5 tons.	LAC 33:III.501.B.5.A6
Noncommercial water washing operations of empty drums less than or equal to 55 gallons with less than 3 percent of the maximum container volume of material.	LAC 33:III.501.B.5.A7
Portable fuel tanks used on a temporary basis in maintenance and construction activities, provided that the aggregate emissions from all such tanks listed as insignificant do not exceed five tons per year.	LAC 33:III.501.B.5.A8
Process stream or process vent analyzers with annual emissions < 5 tons.	LAC 33:III.501.B.5.A9
Storage tanks containing, exclusively, soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, molasses, corn syrup, aqueous salt solutions, or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials, the tanks are not subject to 40 CFR 60, Subpart Kb or other federal regulation, and the aggregate emissions from all such tanks listed as insignificant do not exceed	LAC 33:III.501.B.5.A10

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XI. Insignificant Activities	Citation
five tons per year, do not exceed any minimum emission rate listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis rate established in accordance with Section 112(g) of the federal Clean Air Act.	
Portable cooling towers used on a temporary basis in maintenance activities, provided the aggregate emissions from all such cooling towers listed as insignificant do not exceed five tons per year, do not exceed any minimum emission rate listed in LAC 33:III.5112, Table 51.1, and do not exceed any hazardous air pollutant de minimis rate established in accordance with Section 112(g) of the federal Clean Air Act.	LAC 33:III.501.B.5.A12
Operation of groundwater remediation wells, including emissions from the pumps and collection activities. This does not include emissions from air stripping or storage.	LAC 33:III.501.B.5.B7
Operation of groundwater remediation wells, including emissions from the pumps and collection activities. These do not include emissions from air stripping or storage	LAC 33:III.501.B.5.B7
Air contaminant detectors, air contaminant recorders, combustion controllers, or combustion shutoff devices.	LAC 33:III.501.B.5.B11
Pneumatic starters on reciprocating engines, turbines, or other equipment.	LAC 33:III.501.B.5.B28
Engine crankcase vents.	LAC 33:III.501.B.5.B30
Emergency electrical power generators.	LAC 33:III.501.B.5.B45
Water vapor, oxygen, carbon dioxide, nitrogen and hydrogen.	LAC 33:III.501.B.5.C

Unless otherwise stated, all activities stated above are for an operating schedule as follows:
24 hour/day; 7 day/week; 52 week/year.

All insignificant activities shall meet the requirements to submit emission inventory data to comply with LAC 33:III.919 – Emission Inventory.

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XII. Table 1. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III. Chapter																				
ID No.:	Description	5*	9	11	13	15	17	2103	2111	2113	2115	2122	2131	2141	2151	2153	29*	51*	52	56	59*	
GRP141	Site Services Area	1	1	1						1								1	1	1	1	1
GRP137	3(MISC)CTCAP																					
EQT 333	3(MISC)CT5&6																		1			
EQT 334	3(MISC)CT1&2																		1			
EQT 335	3(MISC)CT3																		1			
EQT 336	3(MISC)CT4																		1			
EQT 337	3(MISC)CT502																		1			
EQT 338	3(MISC)CT11																		1			
EQT 339	3(XXXIII)3																		1			
EQT 340	3(MISC)CT7																		1			
EQT 341	3(MISC)CT12																		1			
EQT 342	3(MISC)3XCT																		1			
GRP138	3(MISC)Flare CAP																					
EQT 343	3(IV)1			1		2					1								1			
EQT 344	3(IV-F)3			1		2					1								1			
EQT 345	3(IX)41			1		2					1								1			
EQT 346	3(IX)42			1		2					1								1			
EQT 347	3(IX)33			1		2					1								1			
EQT 348	3(VI)6			1		2					1								1			
EQT 349	3(IV)2			1		2					1								1			
EQT 350	3(XXII)4			1		2					1								1			
EQT 351	3(XXIII)2			1		2					1								1			
EQT 352	3(XXIX)3			1		2					1								1			
EQT 353	3(XXXIV)10			1		2					1								1			
EQT 354	2(202)25			1		2					1								1			
EQT 355	3(MISC)RL																					
EQT 356	3(MISC)BS																			1		
EQT 357	3(MISC)GEN																					
EQT 389	3(MISC)PC																					
EQT 390	3(MISC)PT																					

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XII. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																				
		5*	9	11	13	15	17	2103	2111	2113	2115	2122	2131	2141	2151	2153	29*	51*	52	56	59*	
GRP139	3(MISC)Flare CAP-a																					
GRP140	2(202)25a																					

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XII. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60										40 CFR 61							40 CFR 63							40 CFR		
		A	Db	H	J	K	Ka	Kb	GGG	QQQ	A	J	Y	M	FF	A	F	G	H	J	Q	CC	64	65	68	82		
EQT 355	3(MISC)RL																											
EQT 356	3(MISC)BS																											
EQT 357	3(MISC)GEN																											
EQT 389	3(MISC)PC																											
EQT 390	3(MISC)PT																											
GRP139	3(MISC)Flare CAP-a																											
GRP140	2(202)25a																											

*Sources will be compliant with requirement per Consent Decree schedule in the Specific Conditions.

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XIII. Table 2. Explanation for Non-applicability or Exemption Status of a Source		
ID No:	Requirement	Notes
3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXIII)2, 3(XXIX)3, 3(XXXIV)10, and 2(202)25	Exemptions LAC 33:III.1107	An exemption to the Ringelmann limitation specified in LAC 33:III.1105 may be granted by LDEQ for startup/shutdown emissions exceedances, if a written report detailing these activities and resultant emissions is submitted within seven (7) calendar days. LAC 33:III.1107
	Emission Standards for Sulfur Dioxide LAC 33:III.1503	EXEMPT – Source emits less than 250 tpy SO ₂ .
3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, and 3(IV)2	NPS Subpart J – Standards of Performance for Petroleum Refineries 40 CFR 60.104(a)(1)	DOES NOT APPLY – These sources were constructed prior to 40 CFR 60 Subpart J promulgation and have not been modified.
3(IV)6, 3(IV)2	NESHAP Subpart J – National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	EXEMPT – Flares are subject to 40 CFR 63 Subpart H, therefore, per 40 CFR 63.160(b)(2), source needs to comply with 40 CFR 63 Subpart H.

The preceding table provides explanation for the exemption status of a source that may be cited by 2 or 3 in the matrix presented in Section XII of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly

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delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

40 CFR PART 70 GENERAL CONDITIONS

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
5. changes in emissions would not qualify as a significant modification; and
6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I. Chapter 39.
2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation.

40 CFR PART 70 GENERAL CONDITIONS

Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall

40 CFR PART 70 GENERAL CONDITIONS

collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 2, 1996 and additional information dated October 14, 2005, November 30, 2005 and December 13, 2005.

- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1250 Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

Also Known As:

ID	Name	User Group	Start Date
0520-00016	Citgo Petroleum Corp - Logistics Area - Lake Charles Manufacturing Complex	CDS Number	05-27-1993
0520-00016	Citgo Petroleum Corp - Logistics Area - Lake Charles Manufacturing Complex	Emission Inventory	03-01-2004
73-1173881	Federal Tax ID	Federal Tax ID	01-21-1998
LAD008080350	Citgo Petroleum Corp	Hazardous Waste Notification	08-13-1980
PC/CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00212	Cities Service Oil & Gas	Inactive & Abandoned Sites	11-27-1979
LAD008080350	Citgo Petroleum Corp	Inactive & Abandoned Sites	11-27-1979
LA0005941	LPDES #	LPDES Permit #	05-22-2003
LAR05N113	LPDES #	LPDES Permit #	10-24-2001
LAR10B787	LPDES #	LPDES Permit #	01-17-2002
LAR10B889	LPDES #	LPDES Permit #	06-25-2003
LAR10B978	LPDES #	LPDES Permit #	09-27-2002
LAR10C363	LPDES #	LPDES Permit #	08-08-2004
WP4260	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2312-L01	Radioactive Material License	Radiation License Number	10-02-2000
2312	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
G-019-1516	Site ID #	Solid Waste Facility No.	11-21-1999
GD-019-0494	SW ID#	Solid Waste Facility No.	04-30-2001
2098	Cities Service Co	TEMPO Merge	06-17-2003
27761	Citgo Petroleum Corp	TEMPO Merge	01-08-2001
38803	Citgo Petroleum Corp - Lake Charles Operations	TEMPO Merge	07-15-2001
41047	Citgo Petroleum Corp	TEMPO Merge	01-08-2001
47222	Citgo Petroleum Corp - Lake Charles Refinery	TEMPO Merge	09-12-2001
4723	Cities Service Co - Butyl Plant	TEMPO Merge	01-08-2001
4724	Cities Service Co - Lube Plant	TEMPO Merge	06-17-2003
0520-0016	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70602CTGPTHIGHW	TRI #	Toxic Release Inventory	07-09-2004
WQC 011005-02	Water Quality Certification #	Water Certification	10-09-2001
WQC 020605-05	Water Quality Certification #	Water Certification	06-06-2002
WQC RC 050209-04	Water Quality Certification #	Water Certification	02-22-2005
WQC TR 030814-01	Water Quality Certification #	Water Certification	08-14-2003

4401 Hwy 108 S

Main Phone: 3377086079

General Information

AI ID: 1250 Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER19960011
Permit Number: 3010-V0
Air - Title V Regular Permit Initial

Physical Location: (a portion of)
Sulphur, LA 70669

Mailing Address:
PO Box 1562
Lake Charles, LA 706021562

Location of Front Gate: 30° 11' 0" 78 hundredths latitude, 93° 19' 12" 40 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83

Name	Mailing Address	Phone (Type)	Relationship
David Booth	PO Box 1562 Lake Charles, LA 706021562	3377087753 (WP)	Solid Waste Billing Party for Radiation Contact For
Vina Charles	PO Box 1562 Lake Charles, LA 706021562	3377087507 (WP)	Accident Prevention Contact for
Chris Menou	PO Box 1562 Lake Charles, LA 706021562	33770866151 (WF)	Accident Prevention Contact for
Chris Menou	PO Box 1562 Lake Charles, LA 706021562	3377086400 (WP)	Accident Prevention Billing Party for
Vickie Pierre	PO Box 1562 Lake Charles, LA 706021562	3377086151 (WF)	Accident Prevention Billing Party for
Vickie Pierre	PO Box 1562 Lake Charles, LA 706021562	3377086797 (WP)	Radiation Safety Officer for
Judy Spears	PO Box 1562 Lake Charles, LA 706021562	3377087580 (WF)	Radiation Safety Officer for
Judy Spears	PO Box 1562 Lake Charles, LA 706021562	JSPEARS@CITGO.1	Radiation Safety Officer for
Judy Spears	PO Box 1562 Lake Charles, LA 706021562	3377643648 (CP)	Radiation Safety Officer for
Russ Willmon	PO Box 1562 Lake Charles, LA 706021562	3377087336 (WP)	Responsible Official for

Name	Address	Phone (Type)	Relationship
Citgo Petroleum Corp	PO Box 4689 Houston, TX 772104689	8324864000 (WP)	Owrs
Citgo Petroleum Corp	PO Box 1562 Lake Charles, LA 706021562	3377088739 (WP)	Radiation License Billing Party for
Citgo Petroleum Corp	PO Box 1562 Lake Charles, LA 706021562	3377088739 (WP)	Water Billing Party for
Citgo Petroleum Corp	PO Box 1562 Lake Charles, LA 706021562	3377088739 (WP)	Air Billing Party for
URS Corp	7389 Florida Blvd Ste 300 Baton Rouge, LA 70806	2259225700 (WP)	Provides environmental services for
URS Corp	7389 Florida Blvd Ste 300 Baton Rouge, LA 70806	2259225701 (WF)	Provides environmental services for

SIC Codes: 2869, Industrial organic chemicals, nec
2911, Petroleum refining

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES
AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER19960011
Permit Number: 3010-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT333	3(MISC)CT5&6 - Cooling Tower 5 & 6		798000 gallons/min			8760 hr/yr (All Year)
EQT334	3(MISC)CT1&2 - Cooling Tower 1 & 2		798000 gallons/min			8760 hr/yr (All Year)
EQT335	3(MISC)CT3 - Cooling Tower 3		798000 gallons/min			8760 hr/yr (All Year)
EQT336	3(MISC)CT4 - Cooling Tower 4		798000 gallons/min			8760 hr/yr (All Year)
EQT337	3(MISC)CT502 - Cooling Tower 502		798000 gallons/min			8760 hr/yr (All Year)
EQT338	3(MISC)CT11 - Cooling Tower 11		798000 gallons/min			8760 hr/yr (All Year)
EQT339	3(XXXIII)3 - Cooling Tower 8		798000 gallons/min			8760 hr/yr (All Year)
EQT340	3(MISC)CT7 - Cooling Tower 7		798000 gallons/min			8760 hr/yr (All Year)
EQT341	3(MISC)CT12 - Cooling Tower 12		798000 gallons/min			8760 hr/yr (All Year)
EQT342	3(MISC)3XCT - Cooling Tower 10		798000 gallons/min			8760 hr/yr (All Year)
EQT343	3(V)1 - B-1 Flare					8760 hr/yr (All Year)
EQT344	3(IV-F)3 - B-4 Flare					8760 hr/yr (All Year)
EQT345	3(IX)41 - B-5 Flare					8760 hr/yr (All Year)
EQT346	3(IX)42 - B-6 Flare					8760 hr/yr (All Year)
EQT347	3(IX)33 - B-7 Flare					8760 hr/yr (All Year)
EQT348	3(VI)6 - B-8 Flare					8760 hr/yr (All Year)
EQT349	3(IV)2 - B-9 Flare					8760 hr/yr (All Year)
EQT350	3(XXII)4 - B-11 Flare					8760 hr/yr (All Year)
EQT351	3(XXIII)2 - B-12 Flare					8760 hr/yr (All Year)
EQT352	3(XXIX)3 - B-16 Flare					8760 hr/yr (All Year)
EQT353	3(XXXIV)10 - B-104 Flare					8760 hr/yr (All Year)
EQT354	2(202)25 - CB-701					8760 hr/yr (All Year)
EQT355	3(MISC)RL - Refinery Laboratory		882.99 tons/yr	825.57 tons/yr		8760 hr/yr (All Year)
EQT356	3(MISC)BS - Miscellaneous Cleaning Area					8760 hr/yr (All Year)
EQT357	3(MISC)GEN - Miscellaneous Power Sources			660 horsepower		8760 hr/yr (All Year)
EQT389	3(MISC)PC - Secondary Emissions					8760 hr/yr (All Year)
EQT390	3(MISC)PT - Coating Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP137	Cooling Tower Cap	EQT333 3(MISC)CT5&6 - Cooling Tower 5 & 6
GRP137	Cooling Tower Cap	EQT334 3(MISC)CT1&2 - Cooling Tower 1 & 2
GRP137	Cooling Tower Cap	EQT335 3(MISC)CT3 - Cooling Tower 3
GRP137	Cooling Tower Cap	EQT336 3(MISC)CT4 - Cooling Tower 4
GRP137	Cooling Tower Cap	EQT337 3(MISC)CT502 - Cooling Tower 502
GRP137	Cooling Tower Cap	EQT338 3(MISC)CT11 - Cooling Tower 11

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP137	Cooling Tower Cap	EQT339 3(XXXIII)3 - Cooling Tower 8
GRP137	Cooling Tower Cap	EQT340 3(MISC)CT7 - Cooling Tower 7
GRP137	Cooling Tower Cap	EQT341 3(MISC)CT12 - Cooling Tower 12
GRP137	Cooling Tower Cap	EQT342 3(MISC)3XCT - Cooling Tower 10
GRP138	Refinery Flare Cap	EQT343 3(V)1 - B-1 Flare
GRP138	Refinery Flare Cap	EQT344 3(V-F)3 - B-4 Flare
GRP138	Refinery Flare Cap	EQT345 3(X)41 - B-5 Flare
GRP138	Refinery Flare Cap	EQT346 3(X)42 - B-6 Flare
GRP138	Refinery Flare Cap	EQT347 3(X)33 - B-7 Flare
GRP138	Refinery Flare Cap	EQT348 3(V)6 - B-8 Flare
GRP138	Refinery Flare Cap	EQT349 3(V)2 - B-9 Flare
GRP138	Refinery Flare Cap	EQT350 3(XXII)4 - B-11 Flare
GRP138	Refinery Flare Cap	EQT351 3(XXIII)2 - B-12 Flare
GRP138	Refinery Flare Cap	EQT352 3(XXIX)3 - B-16 Flare
GRP138	Refinery Flare Cap	EQT353 3(XXXIV)10 - B-104 Flare
GRP138	Refinery Flare Cap	EQT354 2(20)25 - CB-701
GRP139	Refinery Flare Cap (Alternate Scenario)	GRP138 Refinery Flare Cap
GRP140	CB-701 (Alternate Operating Scenario)	GRP138 Refinery Flare Cap
GRP141	Site Services Area	EQT350 3(XXII)4 - B-11 Flare
GRP141	Site Services Area	EQT351 3(XXIII)2 - B-12 Flare
GRP141	Site Services Area	EQT352 3(XXIX)3 - B-16 Flare
GRP141	Site Services Area	EQT389 3(MISC)PC - Secondary Emissions
GRP141	Site Services Area	EQT390 3(MISC)PT - Coating Emissions
GRP141	Site Services Area	GRP137 Cooling Tower Cap
GRP141	Site Services Area	GRP138 Refinery Flare Cap

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT333						
EQT335						
EQT336						
EQT337						
EQT338						
EQT339						
EQT340						
EQT341						

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT343		204.5	3.5	1832	211	1832
EQT344		150.94	3	1832	230	1832
EQT345		141.83	3.5	1832	200	1832
EQT346		266.39	4	1832	200	1832
EQT347		204.54	3.5	1832	200	1832
EQT348		150.94	3.5	1832	220	1832
EQT349		266.39	4	1832	220	1832
EQT350		150.94	3	1832	215	1832
EQT351		150.94	3	1832	220	1832
EQT352		151.77	3	1832	200	1832
EQT353	21.8	9239	3	1832	200	1832
EQT354		150.94	3	1832	202	1832
GRP140		150.94	3	1832	202	1832

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP141	16.5	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 333 3(MISC)CT5&6		39.07												207.55	
EQT 334 3(MISC)CT1&2		8.49												45.00	
EQT 335 3(MISC)CT3		9.91												52.50	
EQT 336 3(MISC)CT4		5.13												27.15	
EQT 337 3(MISC)CT502		2.46												13.05	
EQT 338 3(MISC)CT11		4.65												33.00	
EQT 339 3(XXX)IIJ3		9.56												6.17	
EQT 340 3(MISC)CT7		2.27												12.00	
EQT 341 3(MISC)CT12		1.98												10.50	
EQT 342 3(MISC)IXCT		3.82												2.47	
EQT 343 3(IV)1		33.19			11687.66					2278.51				3196.49	
EQT 344 3(IV-F)3		23.71			11687.40					1627.53				1896.01	
EQT 345 3(IX)A1		33.22			12257.14					2279.44				1717.17	
EQT 346 3(IX)A2		42.68			12256.42					2929.53				1215.83	
EQT 347 3(IX)B3		33.19			12256.12					2278.51				4215.27	
EQT 348 3(V)6		33.18			11687.40					2278.27				2396.01	
EQT 349 3(IV)2		42.68			11687.95					2929.53				1897.05	
EQT 350 3(XX)II4		23.71			12940.33					1627.53				2136.57	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 351 31XXIII2		23.71			12940.33				1627.53		207.76			1936.57	
EQT 352 31XXIX3		23.71			11687.40				1627.53		207.78			1696.01	
EQT 353 31XXIV10		8.39			11686.68				576.29		214.16			8198.39	
EQT 354 2120225		23.71			11687.40				1627.53		207.76			996.01	
EQT 355 31MISCJRL													9.42	40.32	41.28
EQT 356 31MISCJBS													4.49	169.85	19.65
EQT 357 31MISCIJEN	0.83	1.56	3.66	0.78	1.46	3.41	11.76	22.02	51.51	2.53	4.74	11.10	0.95	1.78	4.17
EQT 389 31MISCJPC													0.24	12.11	1.06
EQT 390 31MISCJPC													56.85	56.85	249.02
GRP 137 31MISCJTCAP	29.07		127.34										37.61		164.75
GRP 138 31MISCJFlare CAP	8.93		39.12	684.83		2999.57	39.12		171.33	212.84		932.26	621.32		2721.37
GRP 139 31MISCJFlare CAP-a	9.01		39.47	684.83		2999.57	41.84		183.24	227.64		997.08	626.65		2744.71
GRP 140 2120225a		23.81			11687.41			1637.38			230.26			1096.63	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 170.12 tons/yr
 SO2: 3002.98 tons/yr
 NOx: 222.84 tons/yr
 CO: 943.36 tons/yr
 VOC: 3201.30 tons/yr

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

All phases

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	1,3-Butadiene			2,2,4-Trimethylpentane			Acetaldehyde			Acrolein			Ammonia		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 333 3/MISCJCT546		0.10			0.34										0.01
EQT 334 3/MISCJCT142		0.02			0.07										0.003
EQT 335 3/MISCJCT3		0.02			0.09										0.004
EQT 336 3/MISCJCT4		0.01			0.04										0.002
EQT 337 3/MISCJCT592		0.01			0.02										0.001
EQT 338 3/MISCJCT11		0.02			0.05										0.002
EQT 339 3/XXXIII13															
EQT 340 3/MISCJCT7		0.01			0.02										0.001
EQT 341 3/MISCJCT12		0.005			0.02										0.001
EQT 342 3/MISCJXCT															
EQT 343 3/IV1		0.32			2.88										0.01
EQT 344 3/IV-F3		0.19			1.71										0.01
EQT 345 3/IX41		0.17			1.55										0.01
EQT 346 3/IX42		0.12			1.09										0.01
EQT 347 3/IX33		0.42			3.79										0.01
EQT 348 3/IV6		0.24			2.16										0.01
EQT 349 3/IV2		0.19			1.71										0.01
EQT 350 3/XXXII4		0.21			1.92										0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Benzene			Carbon tetrachloride			Cumene			Ethyl benzene			Formaldehyde		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 333 3(MISC)CT5&6		4.79			0.53				0.12						0.92
EQT 334 3(MISC)CT1&2		1.04			0.12			0.03							0.20
EQT 335 3(MISC)CT3		1.21			0.14			0.03							0.23
EQT 336 3(MISC)CT4		0.63			0.07			0.02							0.12
EQT 337 3(MISC)CT5&2		0.30			0.03			0.01							0.06
EQT 338 3(MISC)CT11		0.76			0.09			0.02							0.15
EQT 339 3(XXX)III)3		0.01													
EQT 340 3(MISC)CT7		0.28			0.03			0.01							0.05
EQT 341 3(MISC)CT12		0.24			0.03			0.01							0.05
EQT 342 3(MISC)XCT		0.47			0.01			0.003							0.08
EQT 343 3(IV)1		40.60						2.88							15.02
EQT 344 3(IV-F)3		24.08						1.71							8.91
EQT 345 3(IX)X1		21.81						1.55							8.07
EQT 346 3(IX)X2		15.44						1.08							5.71
EQT 347 3(IX)X3		53.53						3.79							19.81
EQT 348 3(IV)6		30.43						2.16							11.26
EQT 349 3(IV)2		24.09						1.71							8.92
EQT 350 3(XX)IX		27.13						1.92							10.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Hydrogen sulfide			Methanol			Methyl ethyl ketone			Naphthalene			Phenol		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 333 3(MISC)CT546		1.00			5.07						0.25				
EQT 334 3(MISC)CT1&2		0.22			1.10						0.05				
EQT 335 3(MISC)CT3		0.25			1.28						0.06			0.001	
EQT 336 3(MISC)CT4		0.13			0.66						0.03				
EQT 337 3(MISC)CT502		0.06			0.32						0.02				
EQT 338 3(MISC)CT11		0.16			0.81						0.04				
EQT 339 3(XX)III3		0.004									0.01				
EQT 340 3(MISC)CT7		0.06			0.29						0.01				
EQT 341 3(MISC)CT12		0.05			0.26						0.01				
EQT 342 3(MISC)BXCT		0.003									0.005				
EQT 343 3(IV)1		31.47			26.85						8.63				
EQT 344 3(IV-F)3		29.52			15.93						5.12				
EQT 345 3(IX)41		29.25			14.42						5.12				
EQT 346 3(IX)42		28.50			10.21						3.28				
EQT 347 3(IX)33		33.00			35.41						11.38				
EQT 348 3(IV)6		30.27			20.13						6.47				
EQT 349 3(IV)2		29.52			15.94						5.12				
EQT 350 3(XX)II4		29.88			17.95						5.77				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 333 3\MISCJCT546		0.12		4.97				5.31			1.85	
EQT 334 3\MISCJCT1&2		0.03		1.08				1.15			0.40	
EQT 335 3\MISCJCT3		0.03		1.26				1.34			0.47	
EQT 336 3\MISCJCT4		0.02		0.65				0.69			0.24	
EQT 337 3\MISCJCT502		0.01		0.31				0.33			0.12	
EQT 338 3\MISCJCT11		0.02		0.79				0.84			0.30	
EQT 339 3\XXXIII3		0.001		0.03							0.03	
EQT 340 3\MISCJCT7		0.01		0.29				0.31			0.11	
EQT 341 3\MISCJCT12		0.01		0.25				0.27			0.09	
EQT 342 3\MISCJCT		0.001		0.16				0.38			0.05	
EQT 343 3\IV1		0.64		102.93				73.20			38.36	
EQT 344 3\IV-F13		0.38		61.05				43.42			22.75	
EQT 345 3\IX41		0.34		55.29				39.32			20.61	
EQT 346 3\IX42		0.24		39.15				27.84			14.59	
EQT 347 3\IX33		0.84		135.73				96.53			50.58	
EQT 348 3\VI6		0.48		77.15				54.87			28.75	
EQT 349 3\VI2		0.38		61.09				43.44			22.77	
EQT 350 3\XXII4		0.43		68.80				48.93			25.64	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	1,3-Butadiene			2,2,4-Trimethylpentane			Acetaldehyde			Acrolein			Ammonia		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 351 3/XXIII/2		0.19			1.74									0.01	
EQT 352 3/XXIX/3		0.17			1.53									0.01	
EQT 353 3/XXXI/10		0.82			7.38									0.01	
EQT 354 2/202/25		0.10			0.90									0.01	
EQT 355 3/MISC/RL	0.001		0.004	0.01	0.04	0.04									
EQT 389 3/MISC/PC															
EQT 390 3/MISC/PC															
GRP 137 3/MISC/CTCAP	0.01		0.04	0.02		0.09									0.001
GRP 138 3/MISC/Flare CAP	0.06		0.27	0.56		2.45									0.003
GRP 139 3/MISC/Flare CAP-a	0.06		0.27	0.56		2.45	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.01			0.003
GRP 140 2/202/25a		0.10			0.90			0.002					0.001		0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Benzene			Carbon tetrachloride			Cumene			Ethyl benzene			Formaldehyde		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 351 3(XXII)2		24.59						1.74			9.10				
EQT 352 3(XXX)3		21.54						1.53			7.97				
EQT 353 3(XXXIV)10		104.12						7.38			38.53				
EQT 354 2(202)25		12.65						0.90			4.68				
EQT 355 3(MISC)RL	0.12	0.51	0.52				0.01	0.04	0.04	0.04	0.19				
EQT 389 3(MISC)PC	0.12	12.11	0.53												
EQT 390 3(MISC)PC							0.02	0.02	0.08	1.74	7.62				
GRP 137 3(MISC)TCAP	0.69		3.02	0.03			0.12		0.07	0.23	1.02				
GRP 138 3(MISC)Flare CAP	7.89		34.56				0.56		2.45	2.92	12.79				
GRP 139 3(MISC)Flare CAP-a	7.90		34.58				0.56		2.45	2.96	12.95			< 0.01	
GRP 140 2(202)25a		12.66						0.90		4.75				0.06	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Hydrogen sulfide			Methanol			Methyl ethyl ketone			Naphthalene			Phenol		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 351 3(XIII)2		29.58			16.27						5.23				
EQT 352 3(XIX)3		29.22			14.25						4.58				
EQT 353 3(XXXIV)10		38.97			68.87						22.14				
EQT 354 2(20)25		28.17			8.37						2.69				
EQT 355 3(MISC)RL	0.01	0.06	0.06	0.08	0.34	0.35				0.03	0.11	0.11			
EQT 389 3(MISC)PC															
EQT 390 3(MISC)PC				0.002	0.002	0.01	1.18	1.18	5.16						
GRP 137 3(MISC)TCAP	0.12		0.52	0.37		1.63				0.08		0.34			0.002
GRP 138 3(MISC)Flare CAP	1.67		7.32	5.22		22.86				1.68		7.35			
GRP 139 3(MISC)Flare CAP-a	1.67		7.32	5.22		22.86				1.68		7.36			
GRP 140 2(20)25a		28.17			8.37						2.69				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960011
 Permit Number: 3010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 351 3/XXIII)2		0.39			62.36			44.35			23.24	
EQT 352 3/XXIX)3		0.34			54.61			38.84			20.35	
EQT 353 3/XXXIV)10		1.64			263.99			187.74			98.38	
EQT 354 2/202)25		0.20			32.07			22.81			11.95	
EQT 355 3/MISC)RL	0.002	0.01	0.01	0.30	1.30	1.33	0.22	0.92	0.95	0.11	0.48	0.50
EQT 389 3/MISC)PC												
EQT 390 3/MISC)PC				5.86	5.86	25.66	6.54	6.54	28.65			
GRP 137 3/MISC)CTCAP	0.02		0.08	1.05		4.58	1.24		5.44	0.37		1.60
GRP 138 3/MISC)Flare CAP	0.12		0.54	20.01		87.63	14.23		62.32	7.46		32.66
GRP 139 3/MISC)Flare CAP-a	0.12		0.54	20.01		87.64	14.23		62.33	7.46		32.67
GRP 140 2/202)25a		0.20			32.08			22.81			11.95	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- 1,3-Butadiene: 0.31 tons/yr
- 2,2,4-Trimethylpentane: 2.58 tons/yr
- Acetaldehyde: <0.01 tons/yr
- Acrolein: <0.01 tons/yr
- Ammonia: 0.004 tons/yr
- Benzene: 38.63 tons/yr
- Carbon tetrachloride: 0.12 tons/yr
- Cumene: 2.64 tons/yr
- Ethyl benzene: 21.62 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

All phases

Formaldehyde: <0.01 tons/yr
Hydrogen sulfide: 7.90 tons/yr
Methanol: 24.85 tons/yr
Methyl ethyl ketone: 5.16 tons/yr
n-Hexane: 34.77 tons/yr
Naphthalene: 7.80 tons/yr
Phenol: 0.002 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.63 tons/yr
Toluene: 119.20 tons/yr
Xylene (mixed isomers): 97.36 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT333 **3(MISC)CT5&6 - Cooling Tower 5 & 6**

- 1 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 2 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 3 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT334 **3(MISC)CT1&2 - Cooling Tower 1 & 2**

- 4 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 5 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 6 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT335 **3(MISC)CT3 - Cooling Tower 3**

- 7 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 8 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 9 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT336 **3(MISC)CT4 - Cooling Tower 4**

- 10 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 11 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 12 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 13 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 14 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 15 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT337 **3(MISC)CT502 - Cooling Tower 502**

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT337 **3(MISC)CT502 - Cooling Tower 502**

- 16 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 17 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 18 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT338 **3(MISC)CT11 - Cooling Tower 11**

- 19 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 20 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. This cooling tower is a backup for emission source 3(MISC)3XCT, Cooling Tower 10, EQT342. As such, HON regulations apply to this cooling tower only when in use. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 21 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. This cooling tower is a backup for emission source 3(MISC)3XCT, Cooling Tower 10, EQT342. As such, HON regulations apply to this cooling tower only when in use. Subpart F. [40 CFR 63.104(c)(3)]
- 22 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. This cooling tower is a backup for emission source 3(MISC)3XCT, Cooling Tower 10, EQT342. As such, HON regulations apply to this cooling tower only when in use. Subpart F. [40 CFR 63.104(c)]
- 23 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 24 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT339 **3(XXXIII)3 - Cooling Tower 8**

- 25 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 26 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]
- 27 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT340 **3(MISC)CT7 - Cooling Tower 7**

- 28 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]
- 29 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT340 **3(MISC)CT7 - Cooling Tower 7**

30 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT341 **3(MISC)CT12 - Cooling Tower 12**

31 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]

32 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]

33 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT342 **3(MISC)X3CT - Cooling Tower 10**

34 Shall comply with NESHAP Part 63 Subpart Q. [LAC 33:III.5109.A]

35 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified

36 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]

37 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]

38 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]

39 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

EQT343 **3(IV)1 - B-1 Flare**

40 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]

Which Months: All Year Statistical Basis: None specified

41 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT343 3(IV)1 - B-1 Flare

- 42 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 43 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- 44 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 45 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 46 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 47 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 48 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 49 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 50 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 51 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 52 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 53 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 54 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 55 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 56 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 57 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 58 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 59 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 60 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 61 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT343 **3(IV)1 - B-1 Flare**

- 62 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 63 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 64 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

EQT344 **3(IV-F)3 - B-4 Flare**

- 65 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
- 66 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 67 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 68 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 69 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.1.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 70 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 71 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 72 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 73 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 74 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 75 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 76 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 77 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT344 3(IV-F)3 - B-4 Flare

- 78 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified
- 79 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
Which Months: All Year Statistical Basis: None specified
- 80 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 81 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 82 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified
- 83 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 84 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 85 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
Which Months: All Year Statistical Basis: None specified
- 86 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 87 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 88 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 89 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

EQT345 3(IX)41 - B-5 Flare

- 90 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
- 91 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 92 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 93 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT345 3(IX)41 - B-5 Flare

- 94 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through S, as appropriate. [LAC 33:III.2115.J]
- 95 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 96 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 97 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 98 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 99 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year. Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 100 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 101 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 102 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 103 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year. Statistical Basis: None specified
- 104 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year. Statistical Basis: None specified
- 105 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 106 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 107 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year. Statistical Basis: None specified
- 108 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 109 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 110 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year. Statistical Basis: None specified
- 111 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 112 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 113 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 114 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT346 3(IX)42 - B-6 Flare

- 115 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
- 116 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 117 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 118 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 119 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 120 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 121 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 122 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 123 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 124 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 125 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 126 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 127 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 128 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 129 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 130 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 131 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(c)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT346 3(IX)42 - B-6 Flare

- 132 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 133 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 134 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 135 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 136 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 137 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 138 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 139 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

EQT347 3(IX)33 - B-7 Flare

- 140 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified
- 141 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 142 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 143 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 144 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 145 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 146 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 147 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT347 3(IX)33 - B-7 Flare

- 148 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 149 Chloride Compounds \leq 38.48 lb/hr. Which Months: All Year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 150 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 151 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 152 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 153 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 154 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 155 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 156 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 157 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 158 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 159 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 160 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 161 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 162 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 163 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 164 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

EQT348 3(VI)6 - B-8 Flare

- 165 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT348 3(VI)6 - B-8 Flare

- 166 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 167 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 168 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 169 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 170 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 171 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 172 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 173 Equipment/operational data recordkeeping by electronic or hard copy at the regulator's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 174 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 175 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 176 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 177 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 178 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 179 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 180 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 181 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 182 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 183 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT348 **3(VI)6 - B-8 Flare**

- 184 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 185 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
Which Months: All Year Statistical Basis: None specified
- 186 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 187 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 188 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 189 Comply with the requirements of 40 CFR 63.11(b). Subpart H. [40 CFR 63.172(d), 40 CFR 63.Subpart CC]

EQT349 **3(IV)2 - B-9 Flare**

- 190 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
- 191 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 192 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 193 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 194 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.1.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 195 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 196 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 197 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 198 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 199 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 200 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT349 3(IV)2 - B-9 Flare

- 201 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 202 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 203 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 204 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 205 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 206 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 207 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 208 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 209 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 210 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 211 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 212 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 213 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 214 Comply with the requirements of 40 CFR 63.11(b). Subpart H. [40 CFR 63.172(d), 40 CFR 63.Subpart CC]

EQT350 3(XXII)4 - B-11 Flare

- 215 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified
- 216 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 217 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT350 3(XII)4 - B-11 Flare

- 218 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 219 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 220 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 221 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 222 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115.J [LAC 33:III.2115.J]
- 223 Equipment/operational data recordkeeping by electronic or hard copy at the regulator's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 224 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 225 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 226 Fuel gas and Flare gas (per Consent Decree) shall not contain >0.10 gr/dscf of H₂S [40 CFR 60.104(a)(1). Gas flared during process upsets or emergency situations is exempt from the requirements of this regulation. The flare becomes subject to NSPS Subpart J as a condition of the Consent Decree signed between CITGO and the EPA in 2004 by September, 2010. [40 CFR 60.104(a)(1)]
- 227 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 228 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 229 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 230 Exit Velocity < 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 231 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 232 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 233 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 234 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 235 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 236 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 237 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQ1350 3 (XXII)4 - B-11 Flare

- 238 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 239 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 240 Comply with the requirements of 40 CFR 63.11(b). Subpart H. [40 CFR 63.172(d), 40 CFR 63.Subpart CC]

EQ1351 3 (XXIII)2 - B-12 Flare

- 241 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
- 242 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 243 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 244 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1., or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- 245 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 246 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 247 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 248 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 249 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 250 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 251 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 252 Fuel gas and Flare gas (per Consent Decree) shall not contain >0.10 gr/dscf of H₂S [40 CFR 60.104(a)(1)]. Gas flared during process upsets or emergency situations is exempt from the requirements of this regulation. The flare becomes subject to NSPS Subpart J as a condition of the Consent Decree signed between CITGO and the EPA in 2004 by February, 2010. [40 CFR 60.104(a)(1)]
- 253 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT351 3(XXIII)2 - B-12 Flare

- 254 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 255 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified
- 256 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
Which Months: All Year Statistical Basis: None specified
- 257 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares.
Subpart A. [40 CFR 60.18(d)]
- 258 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(c)]
- 259 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified
- 260 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 261 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 262 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
Which Months: All Year Statistical Basis: None specified
- 263 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 264 Determine compliance with 40 CFR 61. Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 265 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 266 Comply with the requirements of 40 CFR 63.11(b). Subpart H. [40 CFR 63.172(d), 40 CFR 63.Subpart CC]

EQT352 3(XXIX)3 - B-16 Flare

- 267 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
- 268 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 269 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AIID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT352 3(XXIX)3 - B-16 Flare

- 270 Nonhalogenated hydrocarbon burning: Temperature \geq 1600 F (870 degrees C) for 0.5 seconds or greater in a direct-flame afterburner or thermal incinerator. Other devices will be accepted provided 98 percent or greater VOC destruction or removal efficiency can be demonstrated, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent. [LAC 33:III.2115.B]
- Which Months: All Year Statistical Basis: None specified
- 271 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.1.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 272 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 273 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 274 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 275 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 276 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 277 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 278 Fuel gas and Flare gas (per Consent Decree) shall not contain >0.10 gr/dscf of H₂S [40 CFR 60.104(a)(1)]. Gas flared during process upsets or emergency situations is exempt from the requirements of this regulation. The flare becomes subject to NSPS Subpart J as a condition of the Consent Decree signed between CITGO and the EPA in 2004 by December, 2008. [40 CFR 60.104(a)(1)]
- 279 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 280 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 281 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 282 Exit Velocity < 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 283 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 284 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 285 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 286 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 287 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 288 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 289 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT352 3(XXIX)3 - B-16 Flare

- 290 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 291 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 292 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

EQT353 3(XXXIV)10 - B-104 Flare

- 293 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified
- 294 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 295 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 296 Nonhalogenated hydrocarbon burning: Temperature \geq 1600 F (870 degrees C) for 0.5 seconds or greater in a direct-flame afterburner or thermal incinerator. Other devices will be accepted provided 98 percent or greater VOC destruction or removal efficiency can be demonstrated, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent. [LAC 33:III.2115.B]
- Which Months: All Year Statistical Basis: None specified
- 297 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.1.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 298 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 299 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 300 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 301 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 302 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 303 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 304 Fuel gas and Flare gas (per Consent Decree) shall not contain >0.10 gr/dscf of H₂S [40 CFR 60.104(a)(1)]. Gas flared during process upsets or emergency situations is exempt from the requirements of this regulation. The flare becomes subject to NSPS Subpart J as a condition of the Consent Decree signed between CITGO and the EPA in 2004 by December, 2011. [40 CFR 60.104(a)(1)]
- 305 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT353 3(XXXIV)10 - B-104 Flare

- 306 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 307 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 308 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 309 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 310 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 311 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 312 Per 40 CFR 60.592(a), flare shall comply with provisions of 40 CFR 60.482-10(d), which refers to compliance with 40 CFR 60.18. The flare shall be operated and maintained in conformance with its design. [40 CFR 60.590]
- 313 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 314 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 315 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 316 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 317 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 318 Flare should meet the requirements of 40 CFR 63.11(b). [40 CFR 63.Subpart CC]

EQT354 2(202)25 - CB-701

- 319 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified
- 320 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
- 321 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT354 2(202)25 - CB-701

- 322 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 323 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I]
- 324 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 325 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 326 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 327 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 328 If during the use of CB-701 - PFU Flare Stack as a spare flare an incident or release occurs due to operations at Westlake Polymer or Equistar, all reporting responsibility will be with the company that caused the release or incident. [LAC 33:III.501.C.6]
- 329 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]
- 330 This source is a control device for equipment required to meet MACT. [LAC 33:III.5109.A]
- 331 Fuel gas and Flare gas (per Consent Decree) shall not contain >0.10 gr/dscf of H₂S [40 CFR 60.104(a)(1)]. Gas flared during process upsets or emergency situations is exempt from the requirements of this regulation. The flare becomes subject to NSPS Subpart J as a condition of the Consent Decree signed between CITGO and the EPA in 2004 by January, 2006. [40 CFR 60.104(a)(1)]
- 332 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 333 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 334 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified
- 335 Exit Velocity $<$ 60 ft/sec (18.3 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]
Which Months: All Year Statistical Basis: None specified
- 336 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 337 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 338 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified

EQT355 3(MISC)RL - Refinery Laboratory

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

EQT355 **3(MISC)RL - Refinery Laboratory**

339 Applies to operators of chemical manufacturing plants, coke by-product recovery plant, and petroleum refineries. Requires control if Facility Total Annual Benzene (TAB) > 10 Mg/yr. Full control, 1 BQ, 6 BQ, and offsite treatment options are available. Under 6 BQ option. Organic wastes and most wastewater streams must be fully controlled, but 6 Mg/yr of benzene in wastewater may be uncontrolled. [40 CFR 61.Subpart FF]

EQT356 **3(MISC)BS - Miscellaneous Cleaning Area**

340 Conduct a three-month intensive study of solvent types and usage. [LAC 33:III.2151.C.1]

341 Utilize accounting on a unit operation system. [LAC 33:III.2151.C.2]

342 Submit plan: Due within 12 months after promulgation of LAC 33:III.2151. Submit plans to DEQ for reducing VOC emissions from solvent usage. Alternatively, report the controls and/or work practices deemed to be MACT that have been adopted to reduce VOC emissions from solvent cleanup operation. [LAC 33:III.2151.C.3]

EQT389 **3(MISC)PC - Secondary Emissions**

343 Applies to operators of chemical manufacturing plants, coke by-product recovery plant, and petroleum refineries. Requires control if Facility Total Annual Benzene (TAB) > 10 Mg/yr. Full control, 1 BQ, 6 BQ, and offsite treatment options are available. Under 6 BQ option. Organic wastes and most wastewater streams must be fully controlled, but 6 Mg/yr of benzene in wastewater may be uncontrolled. [40 CFR 61.Subpart FF]

GRP137 **Cooling Tower Cap**

344 Particulate matter (10 microns or less) recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

345 Particulate matter (10 microns or less) Submit report: Due annually, by the 31st of March. Report the total calculated PM10 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

346 Particulate matter (10 microns or less) monitored by calculations monthly. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Monthly average

347 Particulate matter (10 microns or less): To demonstrate compliance with the PM10 emission limit for the source GRP137, 3(MISC)CTCAP, permittee shall calculate the total PM10 tons for a 12-month rolling period. Total PM10 for the PM10 in the cap shall not exceed 127.34 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

Emission points: 3(MISC)CT5&6, 3(MISC)CT1&2, 3(MISC)CT3, 3(MISC)CT4, 3(MISC)CT11, 3(MISC)CT13, 3(MISC)CT7, 3(MISC)CT12, and 3(MISC)3XCT. [LAC 33:III.501.C.6]

348 VOC, Total recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division.

VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

349 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: 12 Month average

350 VOC, Total Submit report: Due annually, by the 31st of March. Report the total calculate VOC, total emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

GRP137 Cooling Tower Cap

351 VOC, Total: To demonstrate compliance with the VOC, total emission limit for the source GRP137, 3(MISC)CTCAP, permittee shall calculate the VOC, total tons for a 12-month rolling period. Total VOC for the VOC, total in the cap shall not exceed 164.75 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(MISC)CT5&6, 3(MISC)CT1&2, 3(MISC)CT3, 3(MISC)CT4, 3(MISC)CT11, 3(XXXIII)3, 3(MISC)CT7, 3(MISC)CT12, and 3(MISC)3XCT. [LAC 33:III.501.C.6]

GRP138 Refinery Flare Cap

352 Particulate matter (10 microns or less) monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average

353 Particulate matter (10 microns or less) recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

354 Particulate matter (10 microns or less) Submit report: Due annually, by the 31st of March. Report the total calculated PM10 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

355 Particulate matter (10 microns or less): To demonstrate compliance with the PM10 emission limit for the source GRP138, 3(MISC)Flare CAP, permittee shall calculate the total PM10 tons for a 12-month rolling period. Total PM10 in the cap shall not exceed 39.12 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXII)2, 3(XXIX)3, 3(XXXIV)10, and 3(2(202)25). [LAC 33:III.501.C.6]

356 VOC, Total recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division.
VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

357 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average

358 VOC, Total Submit report: Due annually, by the 31st of March. Report the total calculate VOC, total emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

359 VOC, Total: To demonstrate compliance with the VOC emission limit for the source GRP138, 3(MISC)Flare CAP, permittee shall calculate the total VOC tons for a 12-month rolling period. Total VOC for the VOC, total in the cap shall not exceed 2721.37 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXII)2, 3(XXIX)3, 3(XXXIV)10, and 3(2(202)25). [LAC 33:III.501.C.6]

360 Sulfur dioxide recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division.
SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

361 Sulfur dioxide Submit report: Due annually, by the 31st of March. Report the total calculate SO2 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

362 Sulfur dioxide monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960011

Permit Number: 3010-V0

Air - Title V Regular Permit Initial

GRP138 Refinery Flare Cap

- 363 Sulfur dioxide: To demonstrate compliance with the SO₂ emission limit for the source GRP138, 3(MISC)Flare CAP, permittee shall calculate the total SO₂ tons for a 12-month rolling period. Total SO₂ in the cap shall not exceed 2999.57 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO₂ emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXIII)2, 3(XXIX)3, 3(XXXIV)10, and 3(2(202)25). [LAC 33:III.501.C.6]
- 364 Nitrogen oxides recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NO_x emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 365 Nitrogen oxides Submit report: Due annually, by the 31st of March. Report the total calculate NO_x emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 366 Nitrogen oxides: To demonstrate compliance with the NO_x emission limit for the source GRP138, 3(MISC)Flare CAP, permittee shall calculate the total NO_x tons for a 12-month rolling period. Total NO_x for the NO_x in the cap shall not exceed 171.33 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NO_x emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXIII)2, 3(XXIX)3, 3(XXXIV)10, and 3(2(202)25). [LAC 33:III.501.C.6]
- 367 Carbon monoxide recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 368 Carbon monoxide Submit report: Due annually, by the 31st of March. Report the total calculate CO emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 369 Carbon monoxide monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average
- 370 Carbon monoxide: To demonstrate compliance with the CO emission limit for the source GRP138, 3(MISC)Flare CAP, permittee shall calculate the total CO tons for a 12-month rolling period. Total CO for the CO in the cap shall not exceed 932.26 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXIII)2, 3(XXIX)3, 3(XXXIV)10, and 3(2(202)25). [LAC 33:III.501.C.6]
- 371 Nitrogen oxides monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average

GRP139 Refinery Flare Cap (Alternate Scenario)

- 372 Particulate matter (10 microns or less) monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average
- 373 Particulate matter (10 microns or less) recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM₁₀ emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 374 Particulate matter (10 microns or less) Submit report: Due annually, by the 31st of March. Report the total calculated PM₁₀ emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

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GRP139 Refinery Flare Cap (Alternate Scenario)

- 375 Particulate matter (10 microns or less): To demonstrate compliance with the PM10 emission limit for the source GRP139, 3(MISC)Flare CAP-a, permittee shall calculate the total PM10 tons for a 12-month rolling period. Total PM10 for the PM10 in the cap shall not exceed 39.47 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXII)2, 3(XXIX)3, 3(XXXIV)10, 3(2(202)25, 008, and 88 [LAC 33:III.501.C.6]
- 376 VOC, Total recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 377 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average
- 378 VOC, Total Submit report: Due annually, by the 31st of March. Report the total calculate VOC, total emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 379 VOC, Total: To demonstrate compliance with the VOC emission limit for the source GRP139, 3(MISC)Flare CAP-a, permittee shall calculate the total VOC tons for a 12-month rolling period. Total VOC for the VOC, total in the cap shall not exceed 2744.71 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC, total emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXII)2, 3(XXIX)3, 3(XXXIV)10, 3(2(202)25, 008, and 88. [LAC 33:III.501.C.6]
- 380 Sulfur dioxide recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 381 Sulfur dioxide Submit report: Due annually, by the 31st of March. Report the total calculate SO2 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 382 Sulfur dioxide monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: 12 Month average
- 383 Sulfur dioxide: To demonstrate compliance with the SO2 emission limit for the source GRP139, 3(MISC)Flare CAP-a, permittee shall calculate the total SO2, total tons for a 12-month rolling period. Total SO2 for the SO2 in the cap shall not exceed 2999.57 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IX)33, 3(VI)6, 3(IV)2, 3(XXII)4, 3(XXII)2, 3(XXIX)3, 3(XXXIV)10, 3(2(202)25, 008, and 88. [LAC 33:III.501.C.6]
- 384 Nitrogen oxides recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 385 Nitrogen oxides Submit report: Due annually, by the 31st of March. Report the total calculate NOx emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

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- 386 Nitrogen oxides: To demonstrate compliance with the NOx emission limit for the source GRP139, 3(MISC)Flare CAP-a, permittee shall calculate the total NOx tons for a 12-month rolling period. Total NOx for the NOx in the cap shall not exceed 183.24 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- 387 Emission points: 3(IV)1, 3(IV-F)3, 3(IX)41, 3(IX)42, 3(IV)2, 3(XXII)4, 3(XXIX)3, 3(XXIV)10, 3(202)25, 008, and 88. [LAC 33:III.501.C.6] Carbon monoxide recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 388 Carbon monoxide Submit report: Due annually, by the 31st of March. Report the total calculate CO emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 389 Carbon monoxide monitored by calculations monthly. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: 12 Month average
- 390 Carbon monoxide: To demonstrate compliance with the CO emission limit for the source GRP139, 3(MISC)Flare CAP-a, permittee shall calculate the total CO tons for a 12-month rolling period. Total CO for the CO in the cap shall not exceed 997.08 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- 391 Nitrogen oxides monitored by calculations monthly. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: 12 Month average

GRP140 CB-701 (Alternate Operating Scenario)

- 392 Chloride Compounds \leq 38.48 lb/hr. Which Months: All year Statistical Basis: Hourly Maximum. [LAC 33:III.501.C.6]

GRP141 Site Services Area

- 393 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 394 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 395 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 396 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 397 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Air Permits Division, as required in accordance with the procedures in LAC 33:III.Chapter 5. [LAC 33:III.501.C.1]
- 398 Particulate matter (10 microns or less) \leq 170.12 tons/yr. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum

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- 399 VOC, Total <= 3201.30 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 400 1,3-Butadiene <= 0.31 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 401 Benzene <= 38.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 402 Ethyl benzene <= 21.62 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 403 Cumene <= 2.64 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 404 2,2,4-Trimethylpentane <= 2.58 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 405 n-Hexane <= 34.77 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 406 Naphthalene <= 7.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 407 Methanol <= 24.85 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 408 Polynuclear Aromatic Hydrocarbons <= 0.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 409 Toluene <= 119.20 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 410 Xylene (mixed isomers) <= 97.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 411 Hydrogen sulfide <= 7.90 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 412 Ammonia <= 0.004 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 413 Sulfur dioxide <= 3002.98 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 414 Nitrogen oxides <= 222.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 415 Carbon monoxide <= 943.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 416 Methyl ethyl ketone <= 5.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 417 Phenol <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 418 Carbon tetrachloride <= 0.12 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 419 Acrolein < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 420 Acetaldehyde < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 421 Formaldehyde < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 422 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 423 Any affected source, as defined in LAC 33:III.502, pursuant to the acid rain provisions of title IV of the federal Clean Air Act is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.d]
- 424 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued by the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 425 Any Part 70 source for which construction or operation has begun prior to the effective date of LAC 33:III.507 shall submit an application for an initial Part 70 permit. Permit applications shall be prepared in accordance with LAC 33:III.517 and with forms and guidance provided by DEQ, and shall be submitted no later than one year after the effective date of the Louisiana Part 70 program. [LAC 33:III.507.C.1]
- 426 Any source that becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Quality shall submit an application to the Office of Environmental Services, Air Permits Division, in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]
- 427 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 428 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 429 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]
- 430 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]
- 431 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.509. Chapter 51, Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.510. Chapter 51, Subchapter A, after the effective date of the standard. [LAC 33:III.510.A.1]
- 432 Do not cause a violation of any ambient air standard listed in LAC 33:III.510. Table 51.2, unless operating in accordance with LAC 33:III.510.9. [LAC 33:III.510.A.2]

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- 433 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 434 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 435 Submit initial annual emissions report (TED) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]
- 436 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 437 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 438 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.393.1, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 439 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.393.1, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 440 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 441 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 442 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 443 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 444 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]

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- 445 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.511]
- 446 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 447 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 448 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 449 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 450 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 451 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 452 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 453 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 454 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 455 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 456 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 457 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 458 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 459 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 460 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 461 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 462 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 463 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

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- 464 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 465 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 466 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 467 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 468 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.511.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.511.F.1.f]
- 469 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 470 Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority. [LAC 33:III.517.A.2]
- 471 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 472 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 473 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]
- 474 Submit change of ownership notification in accordance with LAC 33:III.Chapter 19. [LAC 33:III.517.G]
- 475 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]
- 476 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 477 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 478 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 479 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 480 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]

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- 481 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 482 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 483 Determine total annual benzene emissions and comply with applicable control requirements. Compliance is achieved using the 6BQ Program 40 CFR 61.342(e). [40 CFR 60.342]
- 484 All affected (NSPS) facilities comply with applicable provisions of this subpart. [40 CFR 60.690-699]
- 485 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 486 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 487 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 488 Benzene \leq 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
Which Months: All Year Statistical Basis: None specified
- 489 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 490 Comply with the requirements of 40 CFR 63 Subpart H. Subpart F. [40 CFR 63.102(a)]
- 491 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subpart H. Subpart F. [40 CFR 63.103(b)(1)]
- 492 Submit Notification: Due at least 30 calendar days before a performance test is scheduled. Notify DEQ of the intention to conduct a performance test to allow DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 63.103(b)(2)]
- 493 Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]
- 494 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 495 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subpart H. Subpart F. [40 CFR 63.103(c)(2)]
- 496 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F and H for at least 5 years. If 40 CFR 63 Subpart H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subpart H. Subpart F. [40 CFR 63.103(c)]
- 497 Maintenance wastewater: Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]
- 498 Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]
- 499 Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]
- 500 Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]

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- 501 Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
- 502 Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 503 Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 504 Submit Notification of Compliance Status: Due within 150 days after the compliance dates specified in 40 CFR 63.640(h). Include the information specified in 40 CFR 63.654(f)(1) through (f)(5). Subpart CC. [40 CFR 63.654(f)]
- 505 Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
- 506 Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 507 Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 508 Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
- 509 Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 510 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63 Subpart A]
- 511 Develop a management system to oversee the implementation of the risk management program elements. [40 CFR 68.15(a)]
- 512 Assign a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements. [40 CFR 68.15(b)]
- 513 Define the lines of authority through an organization chart or similar document when responsibility for implementing individual requirements of 40 CFR 68 is assigned to persons other than the person identified under 68.15(b). [40 CFR 68.15(c)]
- 514 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the names or positions of the people, other than the person identified under 68.15(b), who are assigned responsibility for implementing individual requirements of 40 CFR 68. [40 CFR 68.15(c)]
- 515 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]
- 516 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g). [40 CFR 68.155]
- 517 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13). [40 CFR 68.160]
- 518 Submit in the RMP information the release scenarios specified in 68.165(a)(2). Include the data listed in 68.165(b)(1) through (13). [40 CFR 68.165]
- 519 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a). [40 CFR 68.168]
- 520 Provide in the RMP the information indicated in 68.175(b) through (p). [40 CFR 68.175]
- 521 Provide in the RMP the emergency response information listed in 68.180(a) through (c). [40 CFR 68.180]
- 522 Submit in the RMP a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete. [40 CFR 68.185(b)]
- 523 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]

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- 524 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]
- 525 Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided. [40 CFR 68.200]
- 526 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]
- 527 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h). [40 CFR 68.25]
- 528 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (c). [40 CFR 68.28]
- 529 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]
- 530 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]
- 531 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 532 Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]
- 533 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]
- 534 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release. [40 CFR 68.42]
- 535 Compile written process safety information, which includes information pertaining to the hazards of the regulated substances used or produced by the process, information pertaining to the technology of the process, and information pertaining to the equipment in the process, before conducting any process hazard analysis required by 40 CFR 68. [40 CFR 68.65(a)]
- 536 Determine the priority order for conducting process hazard analyses based on a rationale which includes such considerations as extent of the process hazards, number of potentially affected employees, age of the process, and operating history of the process. [40 CFR 68.67(a)]
- 537 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the resolution of the recommendations of the team performing the process hazard analysis, and what actions are to be taken. [40 CFR 68.67(e)]
- 538 Update and revalidate the process hazard analysis at least every five years after the completion of the initial process hazard analysis, to assure that the process hazard analysis is consistent with the current process. Use a team that meets the requirements in Sec. 68.67(d). [40 CFR 68.67(f)]
- 539 Provide refresher training at least every three years, and more often if necessary, to each employee involved in operating a process to assure that the employee understands and adheres to the current operating procedures of the process. [40 CFR 68.71(b)]
- 540 Train each employee involved in maintaining the ongoing integrity of process equipment in an overview of that process and its hazards and in the procedures applicable to the employee's job tasks to assure that the employee can perform the job tasks in a safe manner. [40 CFR 68.73(c)]
- 541 Perform inspections and tests following recognized and generally accepted good engineering practices on process equipment listed in 40 CFR 68.73(a). Make the frequency of inspections and tests consistent with applicable manufacturer's recommendations and good engineering practices, and more frequently if determined to be necessary by prior operating experience. [40 CFR 68.73(d)]
- 542 Develop a report of the findings of the compliance audit required by 40 CFR 68.79(a). [40 CFR 68.79(c)]
- 543 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the appropriate response to each of the findings of the compliance audit, and document that deficiencies have been corrected. [40 CFR 68.79(d)]

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- 544 Retain the two (2) most recent compliance audit reports. [40 CFR 68.79(e)]
- 545 Conduct compliance audit: Due at least every three years. Certify compliance with the provisions of the prevention program to verify that procedures and practices developed under 40 CFR 68 are adequate and are being followed. Conduct compliance audit by at least one person knowledgeable in the process. [40 CFR 68.79]
- 546 Conduct incident investigation: Due as promptly as possible, but not later than 48 hours following each incident which resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance. [40 CFR 68.81]
- 547 Prepare a report at the conclusion of the incident investigation which includes, at a minimum, the information specified in 40 CFR 68.81(d)(1) through (5). Review the report with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable. Retain the incident investigation reports for five years. [40 CFR 68.81]
- 548 Develop and implement an emergency response program for the purpose of protecting public health and the environment. Include in the program the elements listed in 40 CFR 68.95(a)(1) through (4). [40 CFR 68.95(a)]
- 549 Coordinate the emergency response plan developed under 68.95(a)(1) with the community emergency response plan developed under 42 U.S.C. 11003. Upon request of the local emergency planning committee or emergency response officials, promptly provide information necessary for developing and implementing the community emergency response plan. [40 CFR 68.95(c)]
- 550 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 551 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 552 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 553 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 554 Shall comply with all the applicable provisions of 40 CFR 82.30 through 42 and 40 CFR 82.150 through 166. [40 CFR 82]